

Online Book Store

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Abstract

At this time, Internet has become embedded in our everyday life in every aspect. It has become the most preferred medium in day-to-day life of individuals. The internet underwent immense growth at various levels and fields. Internet is transforming business, shopping, education, etc. Nowadays, e-business has grown up and it plays immense role in the current global economy. The on the web book shop or home shipping allows customer to shop books from their homes as opposed to traditional bookshop, which requires one to visit bookstore, libraries, etc. Online order needs just one or two click and provides multiple digital payments option. Online Book Shop provides accessibility of a specific book with immediacy and conveniently. Such web application like Amazon, Flipkart have prompted the development of e-business. It is straightforward internet business feasible site which has varieties of books for a customer to buy on the web.

Keywords— Internet, e-business, digital payments, accessibility, conveniently, feasible site.

Introduction

Over the last 10 years, the programming language has been revolutionizing the world. It is a rapidly growing field in the zone of engineering standards. Programming has opened countless new ways almost in every industry. There are different innovative, effective and creative programming arising out in the market which have made the life of an average person ease and straightforward. Our user-friendly Online Bookstore is based on one such programming. It is a fusion of both internet business and book industry. The online book shopping is a revolution of traditional book industry. The online book shop has a great deal many benefits. It is developed on the basis of principle of providing convenience.

It has following benefits:

- Home delivery
- Affordable cost
- Varieties of books
- Various payment mode

It is similar as like shopping websites but is only applicable for buying books. There is certainly no need for a customer to go out and searching for specific book.

Purpose and Significance

By using Online bookstore website, customers do not need to visit physical book store. They can utilize the internet connecting facility for buying books by just only log on online book store website. The book of his/her choice can be effectively bought utilizing the web bookshop site while sitting in their comfortable customary range, simply connect to the online website of books and an internet browser.

Online Bookstore have following goals:

- Reduce time, cost and energy
- Easy to operate 24*7
- Convenient
- Development of E-logistics
- Maintaining books list, quantity

Development Environment and Technology

Building up an online business site requires different pre-imperatives.

For implementation this website uses:

- Java
- JDBC
- HTTP Servlets
- HTML, CSS, Javascript
- MySQL

The main objective of our application is to provide friendly interface on internet business site for the deals of books through the internet. The site permits a customer to register and

I. BACKGROUNDS

I love reading books. Recently, it crossed my mind to design an online bookstore. To get an overview of what my website will be like, I started to explore what is happening in the digital market by conducted competitive analysis against the homepage of each competitor's site.

- What is the future scope of this site?
- How do sites sell books?
- What do customers feel when they go to the homepage?
- What features and characteristics are offered?
- What information is on the home page?



❖ Order Process at Customer End



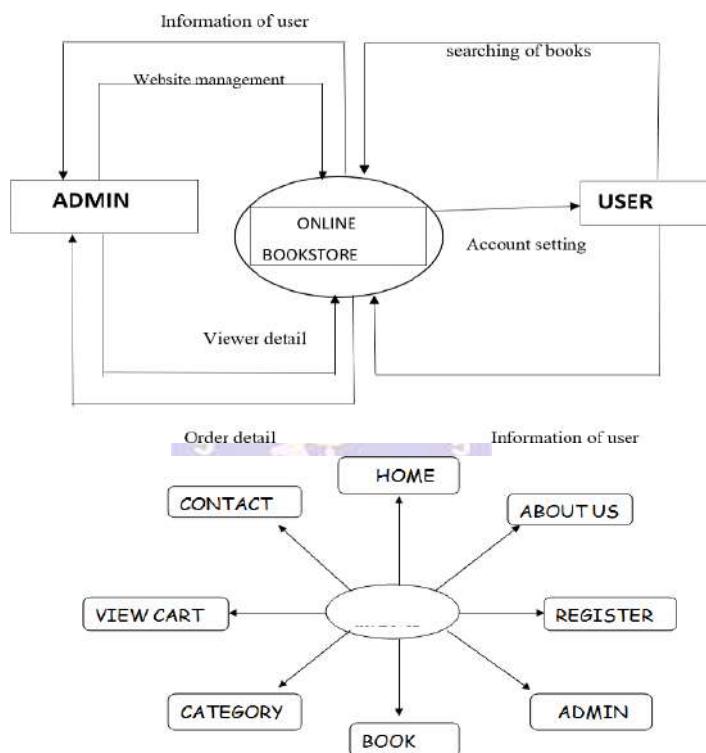
❖ **Order FulfillmentProcess**



II. METHODOLOGY

- HTML and Java are utilized for the usage of the website main page of the project.
- MYSQL is utilized for maintaining the information base of the framework.

SYSTEM DESIGN



A. Homepage:

This is the page that is displayed after customer log in effectively. It will show the available books with author name furthermore, picture which are accessible in the bookstore and it has mainly four choices which are:

- Home
- About Us
- Available Books
- Contact
- View Cart
- Help

B. Distributer:

It shows the overview of the distributor of a specific book. It includes all the names of the distributors which are available in web Bookstore. Also, again if the customer clicks on distributor's name, it displays the book along with picture and the customer can get the subtleness of the book and can add to cart as per choice.

C. Books:

In this section customer can see the all-accessible books in the digital store site.

D. Contact:

It has three choices Name, Email, Phone Number, Content. Name ought to be loaded up with the customer first name and second name and in email section client needs to give their mail-ID to get request effective message Phone Number to ask query. Content is the place where the customer can enquire about the subtleness of thebook.

E. MyCart:

In My Cart, the customer will have the option to get to a shopping cart that includes all the books he/she has chosen to buy online. The customer can see the details with book name, distributor name, quantity, and absolute price. Customers are allowed to add or erase a book from the cart as per required. In the full review, My Cart includes all the books choose by the customer.

F. Rating:

The customers are permitted to give the online bookstore rating depending on their past experience of buying book using web. They can rate it in following manner:

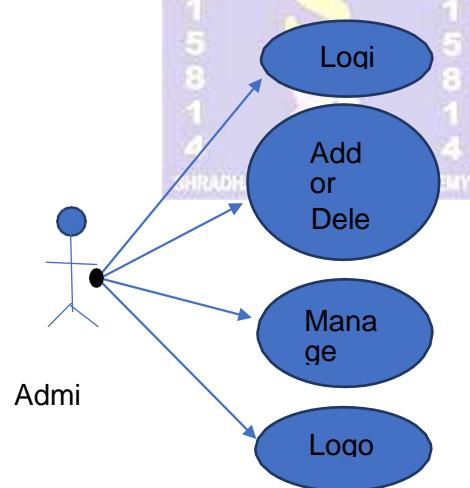
- 5 for awesome
- 4 for better
- 3 for good
- 2 for ordinary
- 1 for poor

G. Administrator Login:

The Admin Login has the following features:

- Adding new book into the store.
- Deleting the book which are not accessible in shop.
- Maintain the cost.
- Remove the unauthenticated customer from the site of the bookstore.
- Adding another new classification of the books.

ADMINISTRATOR DESIGN-



A. Login

- Use: Allow the Admin to get into the functionalities of Online Bookstore by log in to the record using the username and the password.



- Actor: Admin
- Input: The username and password of the administrator.
- Output: If the user ID and password are correct then she or he is directed to the page otherwise, provoked to return the login subtleness.

B.Add or DeleteBook

- Use: Allow admin to add or remove a book from the list then user can add a book or remove a book using the privileges of the admin and the book subtleness will be refreshed.

- Actor:Admin.

- Input: The Admin can add a book, by clicking the supplement button in thebooklist.

- Title
- Creator
- Price
- Picture
- Distributer

He can remove a book by clicking the delete button from the booklist page to remove the book from site and data set.

- Output: The new books are shown in the site under the classification directed by the admin.

C.ManageOrder

- Use: The admin can remove or add a request, she or he can do this by his admin rights.

- Actor:Admin.

- Input: The Admin can add a request by clicking the add association button on the request button.

- Output: The last amended requestreview will be ready for additionalutilization

D.Logout

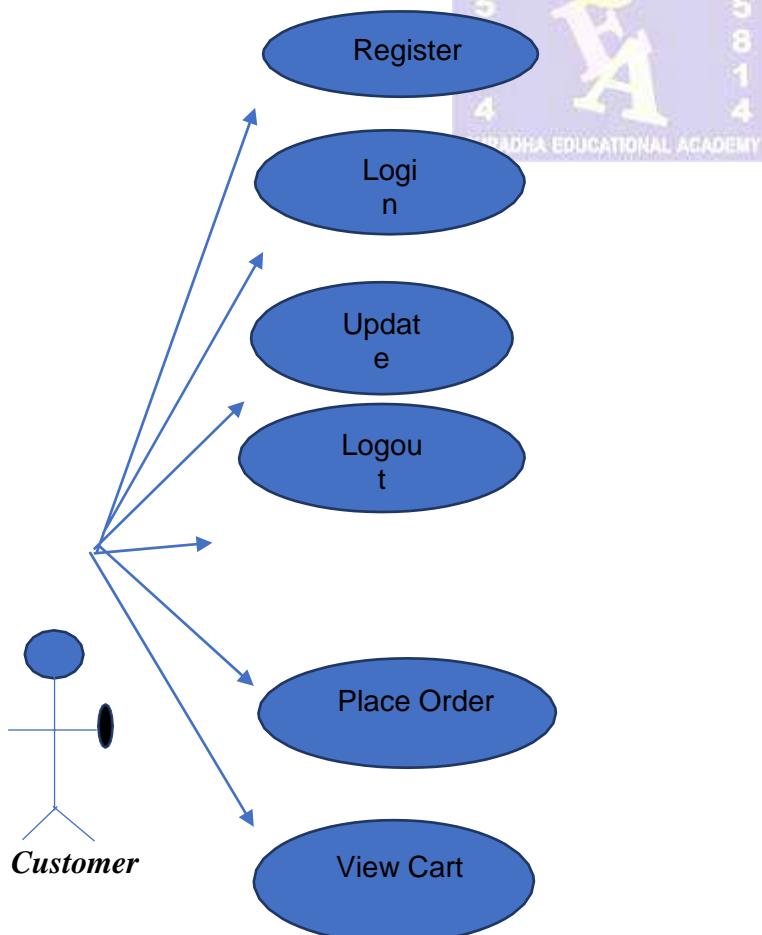
- Use: To end the admin meeting from the online website by clicking logout.

- Actor:Admin.

- Input: By clicking logoutbutton.

- Output: When the admin clicks on the logout button, record meeting reaches anend.

SYSTEM INTERFACEDESIGN



A. Register

- Use: When the client doesn't have an account then the client will have the option to make one.
- Actor: Customer.
- Input: Customer should embed subtleness in the structure.

That incorporates:

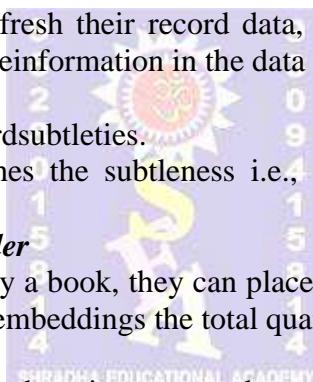
- i. Clientname
- ii. Secretword
- iii. Adjust secretword Firstname
- iv. Lastname
- v. Emailaddress
- vi. Address
- vii. 8. Phone
- viii. 9. Data of instalment card

B. Login

- Use: If the client needs to utilize any of the functionalities of the Online bookstore, she or he must login with his user ID and password.
- Actor: Customer.
- Input: User ID and password.
- Output: if the user ID and password are correct then he is directed to page otherwise provoked to re-emerge the client subtleness.

C. Update profile

- Use: If the client needs to refresh their record data, they can refresh their picked fields what's more, change all the information in the data set with a refresh inquiry.
- Actor: Client.
- Input: Users update their records subtleties.
- Output: The program refreshes the subtleness i.e., entered in the information base using an update technique.



D. Submit a request to placeOrder

- Use: If the client wishes to buy a book, they can place a request by clicking the add to the shopping cart button and embeddings the total quantity required.
- Actor: Customer.
- Input: The client should tap the shopping cart catch to cooperate.
- Output: The request will be added to your shopping cart.

F. View Cart

- Use: When the client needs to see the thing, he or she has joined to the shopping cart, he or she will at that point tap the catch at the highest point of the list.
- Actor: Client.
- Input: At the highest point of the page the client taps on the shopping cart button.
- Output: Shopping cart diagram of the client would be appeared in an even arrangement of all the books and their quantity with price.

G. Logout

- Use: When the client needs to end the meeting and to sign out of the site, he may use the logout technique.
- Actor: Customer.
- Input: Consumer tap the logout button.
- Output: The record meeting of the client ends.

III. UML DESIGN

In Software Engineering, Unified Modelling Languages (UML) is a standardized visual modelling language. It provides a standard way to visualize the workflow of the system. It defines the working of both hardware and software systems.

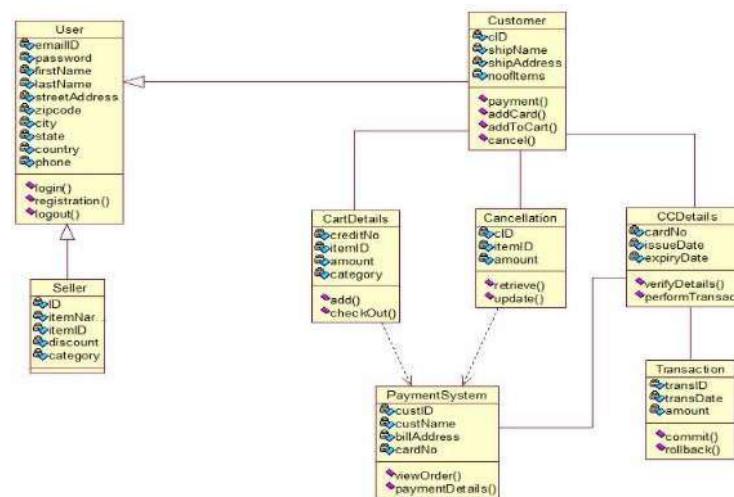
UML has following features:

- It is a graphicallanguage.
- It is interrelated to object-oriented analysis to identify their relationships.
- It is problemsolving.
- It is easy tounderstand.
- It helpstovisualizeandspecifythe workflow of softwaresystem

CLASSDIAGRAM

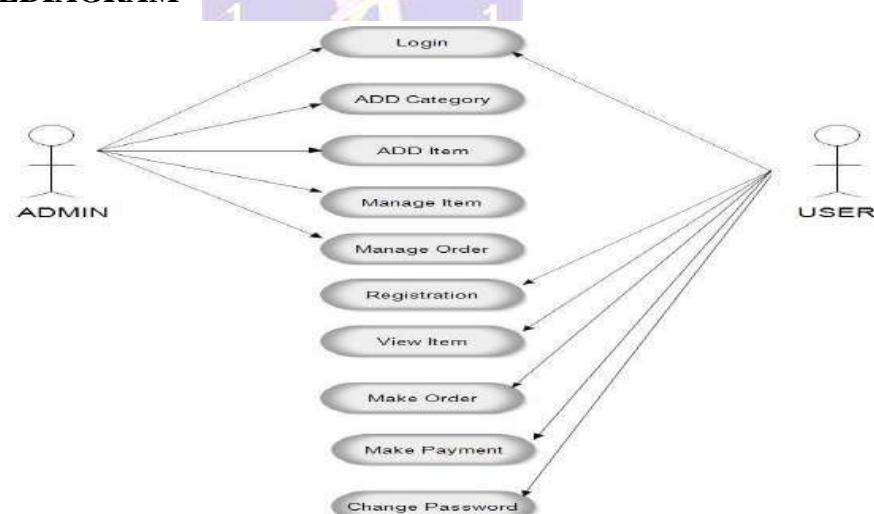
Class diagram is used to describe static view. The class diagram is a collection of Classes

- Collaborations
- Interfaces
- Attributes
- Associations
- Constraints



It is the only diagram that is widely used for construction. It is used to design the code for forward and reverse engineering of an system.

USE CASEDIAGRAM



It is a graphical representation. It uses a combination of text and picture in order to improve the understanding of requirements. It only gives the functional view of the software system. It comprises of Actor, Use Case and Association.

- Specify the context of asystem.
- It does not show the details of the usecase.
- It models the functionality of a system
- It shows the external view of the system.

IV. DFD MODELS

DFD is widely used for modelling the requirements. It is used to show the flow of data through the system. It is also known as Bubble Chart and Data Flow Graph. Unique name

Notations of DFD:

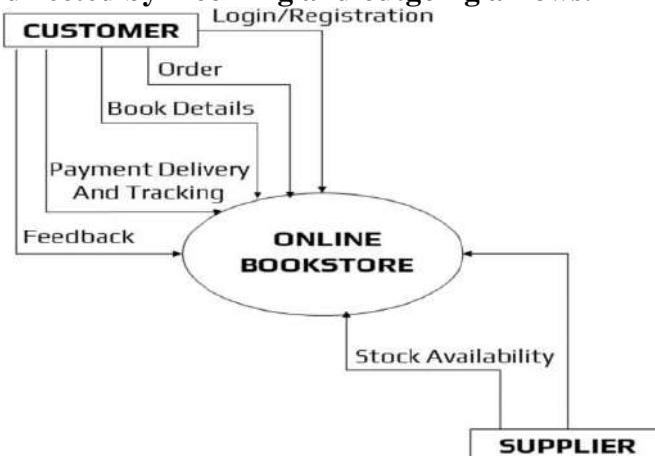
- Arrow DataFlow
- Circle Process
- Square Source
- OpenRectangle DataStore

DFD has following levels of the diagram:

- i. Level0
- ii. Level1
- iii. Level2

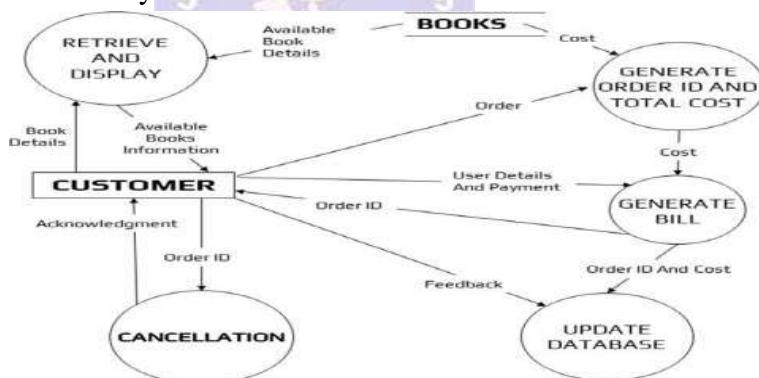
Level 0DFD

It is also called as Context Diagram. It represents the system as a single process with input and output data directed by incoming and outgoing arrows.

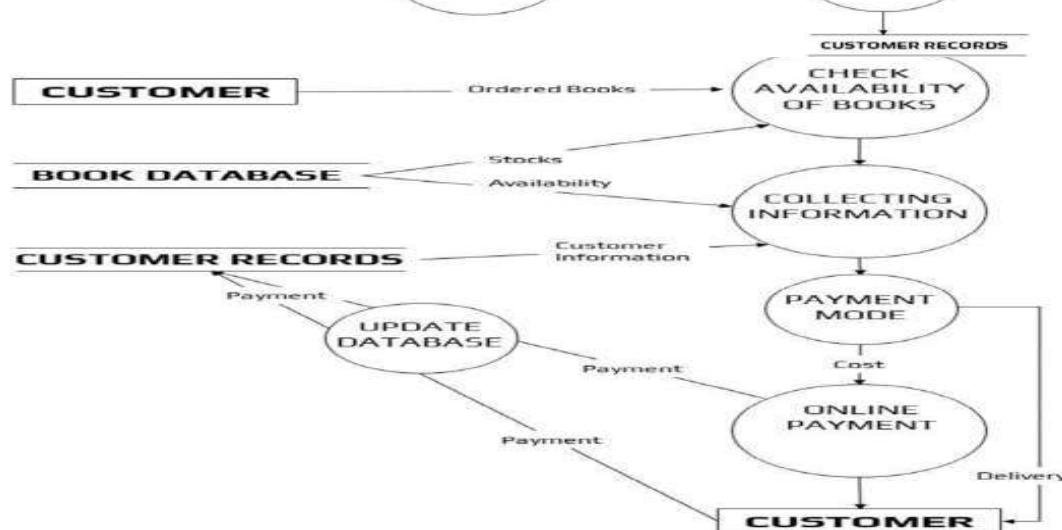


Level 1DFD

In it, the context diagram is decomposed into many numbers of processes. It is used to highlight main function of the system.



Level 2DFD



It shows only necessary details of the function of the system.

- Site loadingissues
- No physicalinteraction
- Shippingcost
- Securityissues
- No salesassistance
- Delay indelivery
- Transactionissues
- Nobargaining
- Quality issues
- Damagedproduct

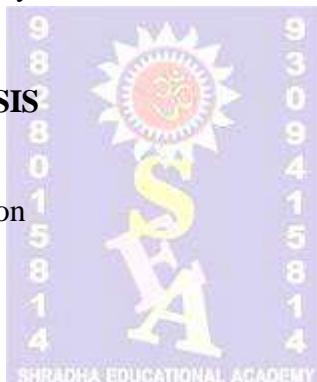
Important keys:

- Besecure
- Quick load of site to avoidfraud
- Check product indetail
- Prefer credit card orcash
- Do not link vitalinformation
- Read productreviews
- Compare prices
- Check shippingprice
- Be aware ofscams
- Skip optionalfields
- Don't click on unnecessarylinks
- Use securenetworks
- Create strongpassword

V. RESULTANALYSIS:

PROS:

- Quick and Reliable
- Easy access to information
- Wider selection
- Available 24*7
- Discount offers
- Time convenience
- Home delivery
- Impulsive options
- More payment mode
- No schedules
- Comfortable returns
- Avoid crowded places



CONS:

- Require internetconnection
- Increases risk offraud
- systemis given most preferences as it savestime.
- Online shopping website expect expanding to uprising with the ever-growingdemand.
- The survey found a 15-30% overall rapid growth in customer who made purchases throughinternet.
- Many of the categories see an anticipated percentage growth in web shoppingintent.
- Marketing is developing as this new source has become integrated into society.
- India is transforming into a digitally empoweredsociety.
- Customer will most probably choose online system to avoid crowd.
- Craze of internet shopping in India is increasing speedily because in present time, it is very simple and comfortable touse.
- More facilities will soon be included in online bookstore software to make it accessible worldwide.

- To distribute the loads of the system, multiple load balancers will be integrated.

VI. Future Scope

- Day by day online shopping system is given most preferences as it saves time.
- Online shopping website expect expanding to uprising with the ever-growing demand.
- The survey found a 15-30% overall rapid growth in customer who made purchases through internet.
- Many of the categories see an anticipated percentage growth in web shopping intent.
- Marketing is developing as this new source has become integrated into society.
- India is transforming into a digitally empowered society.

CONCLUSION

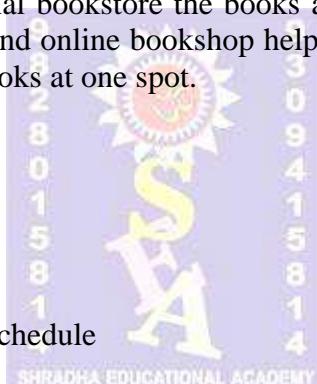
It is different from the traditional bookstores, to overcome:

- Limited space
- Fixed location
- Limited varieties
- Wastage of time
- Management mode
- Schedule barriers

Online book shop has countless focal points the online book shop permits its client to buy at one spot whereas in traditional bookstore the books are dissipated at the unique places which consumes a ton of time and online bookshop helps in preserving that time. It avoids the issue of inaccessibility of books at one spot.

It helps in following ways:

- Maintain selling history
- Maintain stock
- Cost of accessible books
- Supports paperless work
- Maintain payment mode
- Require no preplanned schedule
- Reduces Burden



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